

Remark

Applicants respectfully request reconsideration of this application as amended.

Claims 11 and 30 have been amended. Therefore, claims 11-17 and 30-47 are now presented for examination.

35 U.S.C. §102 Rejection

Aleksic

The Examiner has rejected claims 11-17, 30-33, 37-39, 41-42 and 45-47 under 35 U.S.C. §102 (b) as being anticipated by Aleksic et al., U.S. Patent No. 6,469,703 ("Aleksic"). As mentioned previously, Aleksic shows a memory mapping in which blocks are alternated between memory channel 0 (CH0) and memory channel 1 (CH1). "By alternating accesses of vertically and horizontally adjacent blocks between CH0 and CH1, an access requiring multiple adjacent blocks in a row or in a column will result in the adjacent blocks being accessed by different channels." Each block is 64 bits. This corresponds to the width of the memory channel as explained at Column 8, lines 32-33.

In Claim 11, the data blocks are also the same size as the memory channel width, however the blocks alternate. As an example, while Aleksic shows in Figure 5 that Blocks 0, 2, 4 are in one channel and Blocks 1, 3, 5 are in another channel, according to Claim 11, Blocks 0, 1, 4, 5, would be in one channel and Blocks 2, 3, 6, 7, would be in the other (see e.g. Claim 13).

The Examiner has suggested that the word "block" in the claims may be read onto half of a block. However, in Aleksic the blocks are tied to the memory channel width and to interpret them otherwise eliminates the benefits of Aleksic's mapping. Similarly,

the claims of the present application are based on a very particular type of block as recited expressly in the claims.

35 U.S.C. §103 Rejection

Aleksic

The Examiner has rejected claims 34-36, 40, 43 and 44 under 35 U.S.C. §103 (a) as being unpatentable over Aleksic et al., U.S. Patent No. 6,469,703 (“Aleksic”). This rejection is respectfully traversed on the grounds provided above.

Conclusion

Applicants respectfully submit that the rejections have been overcome by the amendment and remark, and that the claims as amended are now in condition for allowance. Accordingly, Applicants respectfully request the rejections be withdrawn and the claims as amended be allowed.

Invitation for a Telephone Interview

The Examiner is requested to call the undersigned at (303) 740-1980 if there remains any issue with allowance of the case.

Request for an Extension of Time

Applicants respectfully petition for an extension of time to respond to the outstanding Office Action pursuant to 37 C.F.R. § 1.136(a) should one be necessary. Please charge our Deposit Account No. 02-2666 to cover the necessary fee under 37 C.F.R. § 1.17(a) for such an extension.

Charge our Deposit Account

Please charge any shortage to our Deposit Account No. 02-2666.

Respectfully submitted,

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